

"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001961420017-0

VZOROVÁ, A. I.

Some additions to the book "Tables for solving the Laplace equation  
in elliptic domains". Vych. mat. no.6:114-117 '60.  
(MIRA 13:10)

(Harmonic functions)

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VZCROVA, A.I.

Solving the Laplace equation in a domain interior to an ellipsoid.  
(MIRA 12:1)  
Vykh.mnt. no.3:88-98 '78.  
(Harmonic functions)

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VZOROVÁ, A.I.

16(0);28(2) f.5 PHASE I BOOK EXPLOITATION SOV/3366

Akademiya nauk SSSR. Vychislitel'nyy tsentr

Vychislitel'naya matematika; sbornik 3 (Mathematics of Computation; Collection of Articles, Nr 3) Moscow, Izd-vo AN SSSR, 1958.  
189 p. Errata slip inserted. 5,000 copies printed.

Resp. Ed.: A. A. Abramov, Candidate of Physical and Mathematical Sciences; Ed.: M. V. Yakovkin; Tech. Ed.: T. P. Polenova.

PURPOSE: This book is intended for applied mathematicians, scientists, and engineers whose work involves computation.

COVERAGE: This book contains 9 articles on computational techniques.

The subjects considered include: numerical solutions of the kinetic equation for a sphere; approximate method of solving the Hilbert and Poincaré problem; solution of the Laplace equation in a region within the interior of an ellipsoid; calculating the flow around an arbitrary profile and solid of revolution in a

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Mathematics of Computation (Cont.)

SOV/3366

subsonic gas flow (symmetric case); calculating annular supersonic nozzles and diffusers; calculating the lowest characteristic number of Peierls' equation by the Monte Carlo method; study of the oscillation of beams of constant cross section by means of balance type integral equations; calculation of the flow around a circular cylinder with detached shock wave; and new routines for computing finite differences on computers. References accompany each article.

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## Mathematics of Computation (Cont.)

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| AVAILABLE: Library of Congress<br>Card 8/8   | AC/mmh<br>4-26-60 |

VZOROVA, A.I., Cand Phys-Math Sci--(diss) "On the solution of the  
Laplace equation in elliptic and ellipsoid fields." Nov, 1958. 3 pp  
(Acad Sci USSR. Inst of Precise Mechanics and Calculating Engin. ring),  
160 copies (KL,25-58, 106)

- 4 -

A. I. VZORCOVA

387/42-14-1-27/27

**Editor:** L. V. Kantorovich  
**Editorial Board:** N. S. Bakhvalov, Yu. A. Mitropol'skiy, V. M. Tikhonov  
**Editorial Office:** Institute of Numerical Mathematics, USSR Academy of Sciences, Moscow  
**Editorial Office:** Institute of Mathematics, USSR Academy of Sciences, Kiev  
**Editorial Office:** Institute of Mathematics, USSR Academy of Sciences, Novosibirsk

(Servijo i indanija po primindrošči šaljivo je)

〔第三回〕

NATIONAL, ESPECIALLY MUNICIPAL, CZECHOSLOVAK BANK. 1939. VOL. 14, NO. 1.

**ABSTRACT.** It is stated that in the USSR there exists no periodic publication of numerical methods and related domains. In the series "Mathematics and Applied Analysis" academic specialties "Applied Mathematics" (POM) and in single collected volumes. The series POM began in 1955 and until now it is composed of 16 volumes. The series BAVU began in 1955 and until now it is composed of 16 volumes. The following sections of the series BAVU contain the following numbered applications of Continuous Functions of Series: 1-2, A.A. Khrabrov, "The Application of Fourier Series in Approximate Analysis"; 3-4, V.P. Il'in, "The Stability of Difference Equations"; 5-6, V.P. Il'in, "The Stability of Differential Equations"; 7-8, N.N. Lebedev, "Fourier Transforms"; 9-10, N.N. Lebedev, "Orthogonal Quadrature Formulas"; 11-12, N.N. Lebedev, "Numerical Methods in Mathematical Physics"; 13-14, N.N. Lebedev, "Arithmetical Principles of Numerical Methods"; 15-16, N.N. Lebedev, "Numerical Methods in Applied Mathematics". In addition, G.S. Bocharov, N.I. Trifonov, "Methods of Solution of Linear-Difference Equations", and G.S. Bocharov, N.I. Trifonov, "Methods of Solution of Nonlinear-Difference Equations" have appeared in the following collected volumes "selected".

BIBLIOGRAPHY OF PESTICIDE INJURIES AND DEATHS

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VZOROVA, A. I.

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VZOROVA, A I

Tablitsy dlya resheniya uravneniya laplasa v ellipticheskikh oblastyakh (Tables for the solution of the Laplace hypothesis equation in elliptical fields) Moskva, Izd-vo Akademii Nauk SSSR, 1957.

256 P. tables (Mathematicheskiye Tablitsy)

At head of title: Akademiya Nauk SSSR. Vychislitel'nyy Tsentr.

MEA

Vzorov A. I.

Te F/W

On the solution of a system of linear size

Method of successive method of successive max. ass. N. D.

Gaussian elimination in the form of reduced problems and  
pivot work. A compact data sheet arrangement.

VZOROVA, A.I.; VEKUA, I.N., otvetstvennyy redaktor; ZELENKOVA, Ye.V.,  
tekhnicheskiy redaktor.

[Tables for solving Laplace's equation in elliptic regions] Tablitsy  
dlia resheniya uravneniya Laplasa v ellipticheskikh oblastiakh,  
Moskva, Izd-vo Akad.nauk SSSR, 1957. 256 p. (MLRA 10:6)

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(Harmonic functions--Tables, etc.)

GENEL', S. V., VZOROVA, A. I.,

Textile Machinery

Improving the quality of wooden bobbins. Tekst. prom. 12 no. 3, 1952.

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Unclassified.

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Construction of polynomials which are orthogonal for a family of  
ellipses. Vych. mat. no.1:120-130 '57. (MLRA 10:11)  
(Polynomials) (Differential equations, Partial)  
(Matrices)

VZOROVÁ, A.I.

Solution for a system of linear algebraic equations by the I.U.A.Shreider method. Vych.mat.i vych.tekh. no.1:90-94 '53. (MLB 7:9)  
(Linear equations) (Matrices)

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NYSENKO, N.T., nauchnyy sotrudnik; VZOROVA, A.I., nauchnyy sotrudnik;  
DMITRIYeva, N.N., nauchnyy sotrudnik

Reinforced shuttles for automatic looms. Tekst.prom. 21 no.11:  
56-58 N '61. (Looms) (MIRA 14:11)

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SHAFRAN, I.G.; PEVTSOV, G.A.; VZOROVA, L.E.

Spectrochemical method of determining bismuth, cadmium, tin, lead  
and antimony impurities in chromium anhydride. Trudy Kom. anal. khim.  
12:317-321 '60. (MIRA 13:8)

(Chromium oxides)

(Spectrum analysis)

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VZORVA, I. F.

## PART I BOOK EXTRASOURCES 507/2423

Akademijskaja SSSR. Komisija po radiofizike i radiohemii

Naučno-tekhnicheskij priemost v chistykh metallicheskikh metodakh nauchno-tekhnicheskogo razvitiya. Moscow, 1960. All. p. (Series: Issled. radiofiz. radiohemii)

Drs. I. A. Vlasov, Academician, and D. I. Ryabchikov, Doctor of Chemical Sciences, Ed. of Publishing House: Nauk. Poljotvor. Izd-vo: Tsvet. Poljotvor.

PURPOSE. This collection of articles is intended for chemists, metallurgists, and engineers.

CONTENTS: The articles describe methods for detecting and determining various admixtures and impurities in pure metals. Also discussed are many chemical, physicochemical, electrochemical, spectrophotometric and luminescent methods of analyzing materials of high purity. The editors state that these methods have developed rapidly in last five or six years by various Soviet scientists, inventors, and engineers engaged in research and factory fabrication of the Soviet Union. No personalities are mentioned, however, in identifying each article.

- Aleksandrov, N. S., P. A. Gulyaev, R. A. Zhdanov, and O. S. Polikhanova. Determination of the Oxygen and Nitrogen Content in Solid Samples of Metalloids and Carbides by the Spectral Method 203
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"The Solution of a System of Linear Algebraic Equations by the Method of Yu. A. Shreyder" (Numerical and Graphical Methods) Vychisl. matem. i vychisl. Tekhnika, No 1, 1953, pp 90-94

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W-31146, 1 Feb 55

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6:22-26 N-D '56. (MIRA 10:2)  
1. Iz TSentral'nogo tuberkuleznogo voyennogo gospitalya  
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(TUBERCULOSIS, PULMONARY, therapy,  
tomographic follow-up of various methods (Rus))

ALEKSANDROVA, I.L.; VZOROVA, S.I.; BRAANDES, R.I.; GERASIMOV, I.F.;  
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Ye.S.; LEVINA, B.M.; LIZOGUB, V.K.; RODIONOVA, F.A., red.; TA-  
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po ekonomicheskoi geografii BSSR; posobie dlja uchitelei. Mo-  
skva, Gos. uchebno-pedagog. izd-vo M-va prosv. RSFSR, 1961.  
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342 p.

(Geography, Economic)

VZOVSKIY, A.G.; YEFREMOVA, Ye.I.

Reparative processes in pulmonary tuberculosis from data of  
roentgenological studies. Probl.tub. 38 no.7:29-34 '60.  
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VZYATYSHEV, F.V.

CHIKILEVSKIY, Nikolay Nikolayevich, prof.; TIKHOMIROV, B.N., dotsent, kand.  
sel'skokhozyaystvennykh nauk, retsenzent; SHANIN, S.S., dots. kand.  
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retsenzent; VZYATYSHEV, F.V., inzh., retsenzent; ANUCHIN, N.P.,  
prof., red.; KHLATIN, S.A., red.; ARNOL'DOVA, K.S., red.izd-va.  
BACHURINA, A.M., tekhn.red.

[Forest management] Lesoustroistvo. Moskva, Goslesbumizdat,  
(MIRA 11:7)  
1957. 331 p.

1. Chlen-korrespondent Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk (for Anuchin).
  2. Kafedra taksatsii i lesoustroystva Sibirskogo lesotekhnicheskogo instituta (for Tikhomirov, Shanin).
  3. Otdel lesoustroystva Vsesoyuznogo ob'yedineniya Lesproekt (for Vzyatyshev).
  4. Beloruskiy lesotekhnicheskiy institut (for Zakharov)
- (Forest management)

VZYATYSHEV, N.A., kand.tekhn.nauk

Lateral stability of a saddle-connected tractor train under unsteady motion conditions. Avt.prom. 31 no.10:20-23 0 '65.

(MIRA 18:10)

VZYATYSHEV, N.A., kand. tekhn. nauk

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30 no.12:19-23 D '64. (MIRA 18:2)

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VZYATYSHEV, N.A.

Photometric investigation of lateral vibrations of a tractor  
train. Avt. prom. 29 no.8-16-18 Ag '63. (MIRA 16:11)

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CIA-RDP86-00513R001961420017-0"

VZYATYSHEV, N.A.

Experimental investigation of loading conditions in the running gear of a trailer. Avt.prom. 28 no.4:24-29 Ap '62.  
(MIRA 15:4)

(Truck trailers)

S/194/61/000/010/067/082  
D271/D301

9/300

AUTHOR: Vzyatyshev, V.F.

TITLE: The influence of a metallic screen on waveguide properties of a circular dielectric rod

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 10, 1961, 52, abstract 10 I315 (Tr. Mosk. energ. in-ta, 1961, no. 34, 225-242)

TEXT: The influence is considered of a cylindrical metallic tube, co-axial with a round dielectric rod, on its wave propagation properties. Characteristic equation is set and its approximate solution is obtained, valid for small rods and large tubes. From the point of view of practical applications of the waveguide this is the most interesting case. Expressions are given for the structure of the field in a homogeneous screened dielectric waveguide and its basic parameters are calculated, viz. the distribution of energy flow, attenuation caused by losses in the dielectric, maximum

Card 1/2

The influence of a metallic screen..

S/194/61/000/010/067/082  
D271/D301

transmitted power, and attenuation due to losses in the metallic screen. In the final part, the problem is briefly considered of other wave modes which may be propagated in the investigated system and of their influence on the operation of the waveguide. 3 references. Abstracter's note: Complete translation ✓c

Card 2/2

ACCESSION NR: AR4023759

S/0274/64/000/001/A060/A060

SOURCE: RZh. Radiotekhnika i elekrosvyaz', Abs. 1A387

AUTHOR: Vzyaty\*shev, V. F.

TITLE: On the calculation of the Q of a dielectric resonator

CITED SOURCE: Uch. zap. Khar'kovsk. un-t, v. 132, 1962, Tr. Radiofiz. fak., v. 7, 152-157

TOPIC TAGS: dielectric resonator, dielectric filled cavity, resonator Q, reflector in cavity, dielectric waveguide, dielectric waveguide diameter, optimal diameter, waveguide kink

TRANSLATION: An investigation of the Q of a dielectric resonator, comprising a segment of a dielectric waveguide bounded by conducting planes perpendicular to the axis, is reported. A general expression is obtained for the Q of the dielectric resonator. A detailed analy-

Card 1/2

ACCESSION NR: AR4023759

sis is made of a reflector situated in a channel containing a dielectric waveguide with low slow-wave ratio. The results of the work lead to the following main conclusions. 1. When all the dimensions of the resonator are varied in the same proportion, the value of Q remains practically independent of the frequency. 2. At fixed resonator dimensions and at a fixed wavelength there is an optimal dielectric waveguide diameter, for at small diameters the diffraction losses on the edges of the reflector are large, and at large diameters there is an increase in the linear damping and in the losses due to the central opening in the plates through which the dielectric rod is introduced. The results can be used to calculate the losses on a kink in a dielectric waveguide, if account is taken of the fact that the equivalent kink angle is equal to double the angle of rotation of the reflection plane. Bibliography, 4 titles. O. N.

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ENCL: 00

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L 2596-65 EWT(1)/EEC-L/EWA(h) ESD(t<sub>0</sub>)/ESD(t)/RAE(t)

ACCESSION NR: AR4044067

S/6058/63/000/011/8023/2023

SOURCE: Ref. zh. Fizika, Ab. 11Zh184

AUTHOR: Vzyat'y Shev, V. F.

TITLE: Calculating the Q of a dielectric resonator. 35

CITED SOURCE: Uch. zap. Khar'kovsk. un-t, v. 132, 1962, Tr. Radiofiz. fak., v. 7, 152-157

TOPIC TAGS: dielectric resonator, resonator, dielectric waveguide, reflector, Q calculation, resonator Q factor

TRANSLATION: Examines the Q of a dielectric resonator, this is a segment of a dielectric waveguide bounded on two sides by conducting reflectors. Uses the results of work by the author (Abstract 11Zh163) and all approximations given in this work. A general expression for calculating the Q is derived by representing the field in the resonator in the form of the sum of two traveling waves. It is established that the Q increases with decreasing linear attenuation of the waveguide, with an increase

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ACCESSION NR: AR4044067

of the order of the resonance, and with a decreasing reflection coefficient of the reflectors. Gives relations for calculating losses caused by the reflectors. The author concludes that the Q is not a function of frequency with a proportional change of all dimensions of the resonator, and that there is an optimum diameter for the waveguide which will assure the best Q for the given resonator length and reflector diameter.

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ENCL: 00

Card 2/2

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ACCESSION NR: AR4044063

SOURCE: Ref. zh. Fizika, Abs. IIZh163

AUTHOR: Vzyat'y\*shev, V. F.

TITLE: An approximate calculation of the characteristics of a dielectric waveguide

CITED SOURCE: Uch. zap. Khar'kovsk. un-t, v. 132, 1962, Tr. Radiosiz. fak., v. 7, 158-167

TOPIC TAGS: dielectric waveguide, dipole wave

TRANSLATION: Examines the basic "dipole" type wave of a dielectric waveguide. It is proposed that retardation of the phase velocity of the dipole wave is slight, that energy is propagated mainly outside the dielectric, and the structure of the field is close to that of a plane wave propagating in an infinite external medium. There are given the general and approximations relations for

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ACCESSION NR: AR4044063

calculation of the fields of dipole waves in the internal and external regions of the waveguide. There is obtained a solution for the characteristic equation for determining the external transverse wave number, and its accuracy is estimated. There are given further simplifications of the expressions for calculating fields in the outer region of the waveguide, valid both near to and far from the rod. There are also given relations for calculating the relative retardation of phase velocity, the ratios of internal energy to external, the relative percents of energy outside a cylinder of specific dimensions, etc.

SUB CODE: EC

ENCL: 00

Card 2/2

L 36199-66 EWT(1)  
ACC NR: AP6011455

SOURCE CODE: UR/0109/66/011/004/0748/0750<sup>34</sup>  
<sup>23</sup>  
<sup>22</sup>

AUTHOR: Vzyatyshev, V. F.; Belanov, A. S.

ORG: Moscow Power-Engineering Institute (Moskovskiy energeticheskiy institut)

TITLE: Maximum energy concentration in a circular dielectric waveguide

SOURCE: Radiotekhnika i elektronika, v. 11, no. 4, 1966, 748-750

TOPIC TAGS: dielectric waveguide, circular waveguide

ABSTRACT: A brief analysis is presented of energy-concentrating characteristics of the dielectric waveguide in which a round dielectric rod acts as a guiding structure. W. M. Mallach's numerical results (ETZ, 1955, v. 8, no. 1, 8) are in the region where the Hankel-function approximation is liable to great errors. In addition, the authors believe that the concentrating characteristics of an open transmission line should be evaluated on the basis of the spatial distribution of

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ACC NR: AP6011455

energy. Two simple formulas are developed which permit calculating minimum diameters of that field region where 99% of the transmitted power is concentrated; the required waveguide diameter can be determined from known dielectric constants of the media involved. "The authors wish to thank N. A. Valyus for the statement of the problem and his constant interest in the work." Orig. art. has: 2 formulas and 1 table.

SUB CODE: 09 / SUBM DATE: 05Jul65 / ORIG REF: 000 / OTH REF: 004

Card 2/2 *llb*

L 40356-66 EWT(1)  
ACC NR: AP6014238

SOURCE CODE: UR/0109/66/011/005/0839/0849  
*34  
32  
B*

AUTHOR: Vzyatyshev, V. F.

ORG: Moscow Power-Engineering Institute, Radiengineering department (Kafedra  
osnov radiotekhniki, Moskovskiy energeticheskiy institut)

TITLE: Excitation of a small-delay dielectric waveguide *✓*

SOURCE: Radiotekhnika i elektronika, v. 11, no. 5, 1966, 839-849

TOPIC TAGS: dielectric waveguide, circular waveguide

ABSTRACT: The results are reported of a theoretical and experimental investigation of the efficiency of excitation of a dipole wave in a circular dielectric waveguide having a 1-3% (or less) delay; excitation by: (a) a uniform equiphase (homogeneous planar) wave, (b) a dominant mode of a conical horn with and without a dielectric, and (c) a dominant mode in a shielded dielectric waveguide is examined. It is found that the excitation is efficient only in the cases when the

Card 1/2

UDC: 621.372.826

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ACC NR: AP6014238

exciter's aperture area is commensurate with that of the dipole wave, and the exciting-field distribution is close to that of the field being excited. A circular conical horn along whose axis, starting with its throat, the waveguide dielectric rod is placed proved to be the best excitation means. The presence of the rod inside the horn makes the field structure in the horn aperture closer to the dipole-wave field structure; the resulting excitation efficiency may reach 0.9 or higher values. Numerical recommendations on the horn parameters, etc., are detailed. "The author wishes to thank Students Chang-T'ung and V. N. Grigor'yev for their help in experimental work." Crig. art. has: 8 figures and 20 formulas.

SUB CODE: 09 / SUBM DATE: 26Jan65 / ORIG REF: 004 / OTH REF: 001

Card 2/2

WABROSCH, Geza, dr.

A blind ureter bifidus complicated by kidney stones and severe hematuria. Magy.sebeszet 13 no.5:333-336 O '60.

1. A Janos korhas (Igazgato: Tako Jozsef dr.) Urologiai-sebeszeti osztalyanak (Főorvos: Noszkay Aurel dr.) kozlemenye.  
(URETER abnorm)  
(HEMATURIA case reports)  
(URINARY CALCULI case reports)

WABROSCH, Geza, dr.

Pathological diagnosis and clinical observations on renal tumors  
(150 cases). Arv.hetil. 101 no.46:1629-1632 13 N '60.

1. Budapesti Janos Korhaz-Rendelointezet, Urologiai-Sebeszeti  
Osztaly.  
(KIDNEY'S neopl)

HUNGARY

WABROSCH, Geza, Dr; Janos Hospital, Urological-Surgical Ward (Janos Kormaz, Urologini-Sebeszeti Osztaly).

"Observations on the Symptoms and Treatment of Intermittent Obstruction of the Pyelum Caused by Kidney Vessels."

Budapest, Orvosi Hetilap, Vol 104, No 26, 30 June 63, pages 1204-1207.

Abstract: [Author's Hungarian summary] The author describes recurrent, intense kidney spasms reported by patients without any demonstrable obstruction. The spasms are explained by partial and temporary obstruction of the pyelum caused by vessels around the neck of the pyelum which interfere with the dynamic flow. The theory was proven by diagnostic and surgical findings as well as by the results of surgery performed. The author calls attention to the possibility of this partial excretional hindrance by kidney vessels in cases of spasms in the kidney region which show no symptoms of typical kidney obstruction. 6 Hungarian, 5 Western references.

1/1

WABROSCH, Ceza, dr.

Evaluation of our cases of urogenital tuberculosis during the past 5 1/2 years. Tuberkulozis 16 no.9:272-275 S '63.

1. A Fovarosi Jancs Korhaz Urologiai-Sebeszeti Osztaly kozlemenye.  
(TUBERCULOSIS, UROGENITAL)  
(TUBERCULOSIS, MALE GENITAL)  
(TUBERCULOSIS, FEMALE GENITAL)  
(TUBERCULOSIS, RENAL)  
(TUBERCULOSIS, PULMONARY)  
(TUBERCULIN TEST) (STREPTOMYCIN)  
(ISONIAZID)

WABROSCH, Geza, dr.

Retrocaval ureter. Orv. Hetil, 105 no. 23: 1087-1091 Je 7 '64.

1. Fovarosi Tamacs, Janos Korhaz-Rendelointezet, Urologiai-sebeszeti Osztaly.

WABROSCH, G.; LECHNER, F.

Ureterocystostomy. Acta chir. acad. sci. Hung. 6 no.4:  
447-452 '65.

1. Department of Urology (Head: Dr. A. Noszkay), Municipal Johns's  
Hospital, Budapest. Submitted March 18, 1965.

"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001961420017-0

WACEWICZ, C.

Saving Materials in the Engineering Industry

Source - PRZEGLAD MECHANICZNY (Mechanical Engineering Review) Poland  
Vol. XIII, No. 10 October 1953, pp. 339 - 370

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001961420017-0"

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621.004.16

Wacewicz C. Saving Materials in the Engineering Industry.

"Orzeł, dródź tworzyw w przemyśle maszynowym". Przegląd Mechaniczny, No. 11, 1959, pp. 372-375.

The author reviews sources and opportunities for introducing, to a higher extent than hitherto, principles for saving materials in the engineering industry. Such principles apply to: -- curtailing the weight of machines; using substitute materials; adopting correct processing technology; combating defective workmanship; sponsoring the rationalisation movement; correct elaboration of technical standards for the amount of raw material to be used in production. He demonstrates the feasibility of achieving savings in raw material in certain branches of the engineering industry (motors, tool making, machine tools, rolling stock and shipbuilding). Postulates and suggestions.

KRZECKOWSKA, Irena; WACH, Teresa

Chromatographic studies of free amino acids in Delbet's vaccine.  
Ann. Univ., Lublin sect.D 16:279-283 '61.

1. Z Katedry i Zakladu Chemii Ogolnej Wydzialu Lekarskiego Akademii  
Medycznej w Lublinie Kierownik: doc. dr Irena Krzeckowska.  
(AMINO ACIDS) (VACCINES) (STREPTOCOCCUS)  
(STAPHYLOCOCCUS) (PSEUDOMONAS AERUGINOS)

WACHACKI. B.

The Soviet Druzba benzene-driven saw. p. 40.  
(Las Polski, Warszawa, Vol. 30, no. 9, Sept. 1956.)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

WACHACKI, (J)

A conference of graduate forestry technicians. p. 43.  
(Las Polski, Warszawa, Vol. 30, no. 9, Sept. 1956.)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

cc WACHAL, A.  
1951

Petroleum

Preparation of naphthas of low aromatic content for use in extraction. Franciszek Skowron and Andrzej Wachal, Nauki 6, 128-32, 162-3 (1959). The use of naphtha high in aromatic compds. (10-12% of C<sub>9</sub>H<sub>8</sub> and C<sub>10</sub>H<sub>8</sub>) as a selective solvent is a potential health hazard in Polish refineries where the extn. operations frequently are effected in open vats. Gupta, show that naphtha contg. a max. of 5% aromatic compds. can be readily obtained in yields of up to 90% by azeotropic distil. of crude naphtha with 15% of C<sub>11</sub>H<sub>8</sub>OII of 96% concn. This yield is higher than the yield of high-aromatic naphtha presently obtained from the same crude naphtha.

Bruno C. Metzler

WACHAL, A.

PTA

1453

Wachal A. Refinery Residues as Chemical Raw Materials.  
"Odpadki rafineryjne jako surowce chemiczne". Nauka No. 7-8.  
1951, pp. 202-211.

By way of introduction to his suggestion of methods which make it possible to separate individual groups of chemical compounds, the author gives a description of the chemical composition and of the properties of residual products. The products separated represent raw materials for numerous valuable chemical substances. The author, in dealing with the processing of acid bitumen, describes a method for sulphuric and sulphitic acids regeneration, as well as for making use of the organic bulk. The value, arising out of their surface activity, of naphthenic acids and their derivatives in the technology of metals, in the textile, fats, plastics and pharmaceutical industries. Schedule of the numerous chemical substances obtainable from the processing of cracking gases.

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APPROVED FOR RELEASE: 09/01/2001

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|           |   |                  |        |
|-----------|---|------------------|--------|
| Country   | : POLAND  | <i>Wachal, A</i> | H - 23 |
| Category  | Chemical Technology. Chemical Processing of Natural Gases and Petroleum. Motor and Rocket *   |                  |        |
| Abs. Jour | Ref Zhur-Khimiya, No 14, 1959, No 51121   |                  |        |
| Author    | <u>Wachal, A.</u>   |                  |        |
| Institute | -   |                  |        |
| Title     | Fuels Used in the Reaction Type Technology.<br>Part II. Fuels for Rocket Type Movers.   |                  |        |
| Orig Pub. | Techn. lotnicza, 1957, 12, No 1, 9-18   |                  |        |
| Abstract  | Review. Fuels and oxidizing agents for the rocket type movers, requirements imposed, working characteristics of such movers, problems of atomizing, vaporization and combustion. The use of catalysts and promoters of ignition. Bibliography includes 20 titles. For Part I see Ref. Zhur.-Khimiya, 1956, No 24, 79091 |                  |        |
| *         | Fuels. Lubricants.  |                  |        |
| Card:     | 1/1<br>H-120  |                  |        |

PHASE I BOOK EXPLOITATION

POL/6367

Wachal, Andrzej, Master in Engineering

Materiały pędne i oleje silnikowe do współczesnych silników tłokowych, odrzutowych przelotowych i rakietowych (Propellants and Motor Oils for Modern Piston, Jet, and Rocket Engines) [Warsaw] WMON, 1959. 771 p. 2000 copies printed.

Reviewer: Boleslawa Mielnikowa, Docent, Master in Engineering; Eds. of Publishing House: Wanda Trzcińska and Tadeusz Burakowski, Master in Engineering; Tech. Ed.: Helena Malczewska.

PURPOSE: This book is intended for engineers and technicians working in organizations concerned with the production, acceptance standards, and use of fuels and oils. It can also be used as a manual for students of civilian and military higher technical schools.

Card 1/6

Propellants and Motor Oils (Cont.)

POL/6367

COVERAGE: This textbook discusses the properties of fuels and oils and the physicochemical processes which affect oils and fuels in various types of engines. The text is based on Polish, Soviet, American, English, and German publications. Part III contains review-type chapters on jet and rocket fuels. The references to these chapters are almost exclusively Western (jet fuels up to 1955 and rocket fuels up to 1957). [In view of the fact that the manuscript was submitted for printing in accordance with an order of 25 April 1958, the reader cannot expect any information on "modern" fuels and oils.] No personalities are mentioned. References are given at the end of each chapter.

TABLE OF CONTENTS [Abridged]:

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Card 2/6

MOSZEW, Jan; WACHALEWSKI, Tadeusz

Benzyl derivatives of 1-naphthylacetic acid as plant growth regulators. Rocznik chemii 34 no. 5: 1387-1396 '60. (EEAI 10:9)

1. Katedra Chemii Organicznej Uniwersytetu Jagiellońskiego, Krakow  
i Pracownia Nr. 6 Zakładu Syntezy Organicznej Polskiej Akademii  
Nauk, Krakow.

(Benzyl group) (Naphthaleneacetic acid)  
(Plants) (Growth(Plants))

SKAWINA, Tadeusz; SZALONEK, Irena; WARTERESIEWICZ, Maria; WACHALEWSKI,  
Tadeusz

Application of plant tests for evaluation of the degree of  
air pollution by sulfur dioxide. Postepy nauk roln 11 no.3:  
17-31 My-Je '64.

1. Department of Soil Science, Academy of Mining and Metallurgy,  
Krakow, and Agricultural Laboratory, Institute of Scientific  
Research of the Upper Silesia Industrial District, Polish  
Academy of Sciences, Zabrze.

"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001961420017-0

WACHELKO, Tadeusz

Influence of elevated temperatures on some properties of  
bentonites from Poland. Przegl odlew 14 no. 1:9-13 Ja '64.

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001961420017-0"

SAWKA, Wacław; WACHIELKO, Tadeusz

Effect of fettling gray iron castings on their corrosion resistance.  
Przegl odlew 15 no.4:100-104 Ap '65.

1. Submitted June 13, 1964.

WACHELKO, Tadeusz

Characteristic properties of bentonites caused by water absorption. Przegl odlew 14 no.7:199-202 Jl '64.

MOSZEW, Jan; MIREK, Julian; WACHALEWSKI, Tadeusz

Iodocarbanates of the naphthalene series as potential plant growth regulators. Prace chem Krakow no.9:83-86 '64.

1. Department of Organic Chemistry of Jagiellonian University,  
Krakow. Submitted October 1, 1962.

WACHNICKI, W.

TECHNOLOGY

PERIODICAL: Ekonika Przemyslowe. Vol 7, no. 7, July 1958

WACHNICKI, W. Technical documentation on the functioning of revolving kilns at the Wierzbica cement plant. (Conclusion) p. 25.

Monthly List of East European Acquisitions (EEAI) LC, Vol 8, no. 4.  
April 1959, Unclass

WACHNICKI, W.

TECHNOLOGY

PERIODICAL: BUDOWNICTWO PRZEMYSLOWE. Vol. 7, no. 9, Sept. 1958

WACHNICKI, W. The importance of the lubrication of machinery and mechanical installations. p. 31.

Monthly List of East European Accessions (EEAI) LG Vol. 8, no. 4.  
April 1959, Unclass

WACHNIEWSKI, A.

Improvement in the acceptance of build'n s.

P. 20 (Budowictwo Weiskie, Vol. 8, no. 3, Mar, 1956; Warszawa, Poland)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 2,  
February 1958

WACHNIOWSKI, E.

Wachniowski, E.,

Wachniowski E., Eng. "The Steel Reinforced Concrete Slab"  
(Plyta stalbetonowa). Inzynieria i Budownictwo. No 5, 1949,  
pp.286-283, 3 figs.

Owing to difficulties in the production of steel throughs for road bridges, steel plates with coiled thin steel rods have been introduced in order to guarantee the proper mutual co-ordination between the plate and the concrete. Such a plate can also be used as ceiling plate in industrial buildings at high useful loads. An example of the calculation of a steel reinforced concrete plate. This article introduces a new idea into the concept of steel road bridges.

SO: Polish Technical Abstracts - No. 2, 1951

P.T.H.

WACHNIEWSKI, W.

metallurgy  
5

290

669.194 : 621.791.052

Wachniewski W., Eng. Profiles Rolled by Polish Mills.

"Profile walcowane pires hutu polskie". Inżynieria i Budownictwo, No 7-8, 1949, pp. 421-423. 9 figs.

The necessity to adopt rolled profile varieties to the progress in welding. A review of rolled profiles from the point of view of their usefulness for steel constructions in building (rods, profiles, sheets, pipes, rails). Usefulness and redundancy of certain profiles. The steady progress in welding has brought about the revision of views concerning the usefulness of certain profiles. Several well-founded proposals for changes in rolled profile varieties are given in this article.

See: Polish Technical Abstracts. No. 2 1951

P.T.A.  
WACHNIEWSKI, W.

*Building Industry &  
Architecture*

584

6260112

Wachniewski, W. Design and Execution of Steel Constructions.

Projektowanie i wykonanie konstrukcji stalowych. Inżynieria  
i Budownictwo No 7-8, 1959, pp. 370-374, 5 figs.

The performance of the Six-Year Plan involves an increased demand for steel. The statistical engineer and the designer play the leading role in this connection. There are still certain shortcomings to be overcome in Poland. Recommendations and guidance as to the selection of the static system, materials, labour, workshop, transportation and erection costs. Uniform principles in the compilation of standards pertaining to steel constructions. In view of the immense development and reformation of Polish industries in the course of the performance of the Six-Year Plan and the increase in the output capacity of works producing steel constructions, the author's observations provide much useful data.

WACHNIOWSKI, W.

"Safeguarding existing brick buildings in mining areas." p. 328.  
(INZENIERIA I BUDOWNICTWO Vol. 11, No. 11, Nov. 1955. Warsaw, Poland)

SO. Monthly List of East European Acquisitions. (EEAL). LC. Vol. 4, No. 4.  
April 1955. Unclassified.

WACHNIENSKI, M.

The building industry in the Korean People's Democratic Republic; impressions from a trip. p. 193.  
PRZECIĘGŁA WIDOWIANY, Warszawa, Vol. 27, no. 6, June 1955.

SO: Monthly List of East European Accessions, (EEL), LC, Vol. 4, no. 19, Oct. 1955,  
Uncl.

WACHNIEWSKI,Wladyslaw (Chorzow)

Assembling of the roof construction of an industrial building  
by means of two derricks placed on bars of the crane driveway.  
Przegl budowl i bud mieszk 34 no.6:316-317 Je '62

"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001961420017-0

WACHIEWSKI, Wladyslaw

On the cooperation of the floor beams and the main beams in  
railway steel bridges. Budown Gliwice no.8:15-42 '62.

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001961420017-0"

WACHNIEWSKI, Wladyslaw, mgr inz. (Chorzow)

Reinforcement of damaged ferroconcrete columns of an  
industrial hall by prestressing. Inz i bud 20 no.11:  
425-427 N '63.

WACHNIEWSKI, Wladyslaw, mgr inz.

Stabilization of the natural subsoil by driving in sand and  
soil piles. Inz i bud 21 no.8:289-290 Ag '64.

1. Silesian Technical University, Gliwice.

WACHNIEWSKI, Wladyslaw (Chorzow)

Fighting cut slope slides of a filling installation in  
a mine. Przegl budowl i bud mieszk 36 no. 5:252-253  
My '64.

JASINSKA, Stanislawa; WACHNIK, Zenon; SENIOW, Adam; SKURSKI, Adam

Phagocytis and serological studies in the course of immunization  
of rabbits with *listeria monocytogenes*. Arch.immun.ter.dosw. 8  
no.4:617-629 '60.

1. Department of Veterinary Microbiology, Department of Infectious  
Diseases, Department of Parasitology, High Agriculture School, Wroclaw.

(*LISTERIA MONOCYTOGENES* immunol)

SOBIECH, T.; WACHNIK, Z. (Wroclaw)

Presence of tubercle bacilli in the muscles of swine experimentally infected. Rocznik rolnictwa wet. 70 no. 1/4: 154 '60.  
(KEAI 10:9)

(Mycobacterium tuberculosis) (Swine)

WACHNIK, Zenon (Wroclaw)

Tissue eosinophilia of lymphatic nodes in swine infected by tubercle  
bacilli. Rocznauk roln wet 70 no.1/4:158-159 '60.  
(EEAI 10:9)

(Swine) (Mycobacterium tuberculosis) (Eosinophiles)

WACHNIK, Zenon (Wroclaw)

Value of diluted tuberculins in intracutaneous tests in pigs. Rocznauk roln wet 70 no.1/4:163-165 '60.  
(EEAI 10:9)

(Swine) (Tuberculin)

SOBLECH, T.; WACHNIK, Z.; MAGIEROWSKA, B. (Wroclaw)

Reaction of haemagglutination Middlebrook-Dubos in experimental  
tuberculosis in swine. Rocznik rolnictwa wet. 70 no.1/4:167-168 '60.  
(EEAI 10:9)

(Tuberculosis) (Swine) (Blood)

"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001961420017-0

WACHNIK, Zenon (Wroclaw)

Leptospirosis of swine. Rocznik nauk roln. wet 70 no.1/4:226-228 '60.  
(ZEAI 10:9)

(Swine) (Leptospirosis)

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001961420017-0"

JASINSKA, Stanislawa; SZWABOWICZ, Adam; WACHNIK, Zenon

Role of Candida albicans in mass destruction of minks. Med.dosw.  
mikrob. 13 no.1:15-17 '61.

1. Z Katedry Mikrobiologii Wydz. Wet. W.S.R. we Wrocławiu Kierownik:  
prof. dr Adam Skurski z Katedry Farmakologii Wyd. Wet. W.S.R. we  
Wrocławiu Kierowniki: doc. dr Adam Szwabowicz z Katedry Epizoojologii  
Wydz. Wet. W.S.R. we Wrocławiu Kierowniki: prof. dr Adam Skurski.

(MONILIASIS veterinary) (CARNIVORA dis)

JASINSKA, Stanisława; WACHNIK, Zenon

Hemagglutination properties of Listeria monocytogenes strains, Med.  
dosw.mikrob. 13 no.1:43-45 '61.

1. Z Katedry Mikrobiologii Wydz. Wet. W.S.R. we Wrocławiu Kierownik:  
prof. dr Adam Skurski z Katedry Epizooeziologii Wydz. Wet. W.S.R.  
we Wrocławiu Kierownik: doc. dr Tadeusz Sobiech.

(LISTERIA MONOCYTOGENES immunol)  
(HEMAGGLUTINATION)

WACHNIK Z.

SURNAME, Given Names

Country: Poland

Academic Degrees: not given  
Presumed Ludwik Hirschfeld Institute of Immunology and Experi-  
Affiliation: mental Therapy (Instytut Immunologii i Terapii Doswiadczonej  
im. Ludwika Hirschfelda), Polish Academy of Sciences (PAN-Polska  
Sources: Akademia Nauk), Wroclaw; Director: Prof. Stefan SLOPEK, Dr.  
Source: Warsaw, Postepy Higieny i Medycyny Doswiadczonej, Vol XV, No 4,  
Date: 1961, pp 384-385.

Data: "Phagocytic and Serologic Studies During Immunization of Rabbits  
with Listeria Monocytogenes."

English abstract of article English, originally published in  
Arch Immunol i Terapii Dosw 1960, 8, 617.

Authors:

JASINSKA, S.

WACHNIK, Z.

SENIOW, A.

SKURSKI, A.

670 981443

WACHNIK, Zenon (dr)

SURNAME, Given Names

Country: Poland

Academic Degrees:

Affiliation:

Source: Warsaw, Medycyna Weterynaryna, Vol XVII, No 6, June 1961, pp 330-332.

Data: "Infectious Gastroenteritis in the Puma."

Authors:

WACHNIK, Zenon, Dr., Faculty of Epizootiology (Katedra Epizootiologii)  
Veterinary Division (Wydział Weterynarii), College of Agriculture  
(WSR-Wysza Szkoła Rolnicza), Wrocław; Director: Prof. Tadeusz  
SOBIECH, Dr.

TABORSKI, Adam, Zoological Garden (Ogród Zoologiczny), Wrocław;  
Director: Karol LUKASZEWCZ

(5)

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WACHNIK, Zenon

*Micro 4*

SURNAME, Given Names

Country: Poland

Academic Degrees:

Affiliation:

Lublin, Medycyna Weterynaryjna, Vol XVII, No 10, October 1961,

pp 584-586

Source: "Listeriosis in Guinea Pigs."

Data:

Authors:  
✓ JASINSKA, Stanisława [Academic Degrees not given], Department of Microbiology  
(Katedra Mikrobiologii), Veterinary Department (Wydział Weterynaryjny) of the  
WSR [Abbreviation not identified], Wrocław; Director (Kierownik): Prof Dr  
Adam Skurski  
✓ MICHALSKI, Zbigniew [Academic Degrees not given], Department of Epizootiology  
(Katedra Epizootiologii), Veterinary Department (Wydział Weterynaryjny) of the  
WSR [Abbreviation not identified], Wrocław; Director (Kierownik): Prof  
Dr Tadeusz Sobiech  
✓ WACHNIK, Zenon, [Academic Degrees not given], Department of Pathological Anatomy  
(Katedra Anatomii Patologicznej), Veterinary Department (Wydział Weterynaryjny)  
of the WSR [Abbreviation not identified], Wrocław; Director (Kierownik):  
Prof Dr Aleksander Zakrzowski

*src 111-1*

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JASINSKA, St.; WACHNIK, Z.; GAJOS, E.

Serological relationship of some bacterial strains to *Listeria monocytogenes*. Acta med. Hung. 18 no.3:281-286 '62.

1. Department of Veterinary Microbiology, Department of Infectious Diseases, Department of Animal Products Hygiene, High School of Agriculture, Wroclaw. (STREPTOCOCCUS)

WACHNIK, Z.

1. "Field Diagnosis of Str. equicoltivirus Using the RIA," J. VETERINARY MEDICINE, Vol. 18, No. 4, April 1962.

2. "ARTIFICIAL HOG CHEESE (Mengeserry's Disease)," Tadewos MACHALEK, M. J. WISCHEROWSKI, St. LADISLAW, and A. GRABIECKI, in the Research Office of JAHLE, Executive Board of the Institute of the Polish State Veterinary Veterinary Research Institute of Veterinary Medicine (Bielsko-Silesian Institute of Veterinary Medicine) at Bydgoszcz [Breslau], Prof. Dr. Jerzy WISCHEROWSKI, et al., "The Bielsko-Silesian Institute of Veterinary Medicine (Bielsko-Silesian Institute of Veterinary Medicine) at Krakow, and the Institute of Veterinary Medicine (Zaklad Krajowy Veterinarnyj) at Warsaw" [No available English summary]. The VET [No available English summary] at Wolnosrodowy Instytut Nauk i Badan, Research Office of the VET, pp 197-201 (English summary).

3. "Cases of Aujeszky's Disease in Silver Porsus, White Pekin, and Minke, Jadwiga SZEJLIK and Jozef HABLIK, et al., or the VET at Katowice [Director: Prof. Dr. Janusz STANISZEWSKI], pp 203-204.

4. "Transnational Immunization of Chicks Against Avian Newcastle Disease Using the Strains SP-1, La Saca, and F. Vanda BORZENSKA, et al., Research Office for Poulttry Diseases [Takson Chorob Zwierząt] of the Soc. Sci. [Szkola] Weterynaryjno-Dydaktyczna, Katowice School of Veterinary Medicine (Zaklad Krajowy Dydaktyczny), Dr. Kazimierz NARKEWICZ [Director: Dr. Kazimierz NARKEWICZ], pp 203-207 (Polish summary).

5. "Studies on the Serodiagnosis of Brucellosis of Sheep and Goats Using the VIT," at Brzezica [Director: Dr. Leszek WOZNIAK], pp 207-209 (English summary).

6. "Hematology Results and Blood Picture in Cattle Infected with Tuberculosis," Antoni DRZIAŁ and Zofia KACZKOWSKA, et al., Institute of Veterinary Science and Pathobiology of the Faculty of Veterinary Medicine (Katedra Patobiologii i Chorób Zwierząt) of the Soc. Sci. at Warsaw [Bielsko-Biala], Department of Veterinary Pathology and Experimental Disease [Prof. Dr. A. SZCZEPANIK] and Dr. Stefan KAZMIERZAK, et al., Research Office [Zaklad Krajowy Dydaktyczny] of the Faculty of Veterinary Science of VET at Warsaw [Chair: Professor: Zbigniew Dr. M. STANKIEWICZ], pp 210-211.

7. "Nephritis of Sheep in a Lamb Suffering from Infective Leishmaniasis," Leszek WOZNIAK and Stanislaw SŁAPAKA of the Chair of Veterinary Pathology [Katedra Patobiologii i Chorób Zwierząt] of the Faculty of Veterinary Science of the Higher School of Agriculture [Szkoła Rolnicza] in Szczecin [Chair: Prof. Dr. Tadeusz SOKOLSKI], et al. [available English summary].

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## [POLAND]

WACHNIK, Zenon, Chair of Epizootiology (Katedra Epizootiologii), Veterinary Division (Wydział Weterynaryjny), WSR [Wysza Szkoła Rolnicza, Higher School of Agriculture] in Wrocław (Director: Prof. Dr. Tadeusz SOBIECH)

"Diagnosis of Pneumococcosis in Calves and Its Treatment with Syntomycin."

Warsaw-Lublin, Medycyna Weterynaryjna, Vol 19, No 3, Mar 63,  
pp 156-158.

Abstract: Author reports an outbreak among young calves in a state farm of an acute disease with symptoms of pulmonary involvement, which did not respond to treatment with the usual antibiotics and which did not affect the older calves and cows. The Chair of Ep. zoootiology subsequently diagnosed it as pneumococcosis and treated it successfully with syntomycin. Author discusses the variety of pneumococci which can produce such diseases, their local character, and specific sensitivities to antibiotics, which must be tested before treatment, and the desirability for the development of vaccines to be given the cows in pregnancy for preventing the disease. Nine Eastern and 5 Western refs.

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logical symptoms. Two of them died with hemorrhage in uterus, echinococcosis, pneumonia, conjunctivitis mucopurulenta, and nervous symptoms. Histological examination revealed mononuclear perivasculär infiltrations in the liver, and *S. choleraesuis* was isolated from the internal organs. The three dogs, which exhibited no pathologic symptoms, showed an increase of C-reactive protein and antibodies. Source of infection traced to kitchen washing from a mess hall. Of the 8 references, 6 are Polish and one each English and German.

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POLAND

WACHNIK, Zenon, Dr. and ZAKRZEWSKI, Aleksander, Chair of Epi-zootiology (Katedra Epizootiologii) (Director: Prof. Dr. Tadeusz SOBIECH) and the Chair of Pathological Anatomy (Katedra Anatomii Patologicznej) (Director: Prof. Dr. Aleksander ZAKRZEWSKI), both of the WSR [Wysza Szkoła Rolnicza, Higher School of Agriculture] in Wrocław

"Roeckl's Granuloma in Light of Authors' Observations."

Warsaw-Lublin; Medycyna Weterynaryjna, Vol 19, No 7, Jul 63,  
pp 357-360

Abstract: [Author's English summary] Authors describe Roeckl's granuloma in 9 imported bulls aged 1.5 to 6 years. Tumors, up to a hen's egg in size, were found in the breast subcutaneous tissue. The histopathological picture corresponded to that found in the literature. Biological and culture tests were negative. There are 7 references: one Polish, and two each Swiss, German, and French.

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SKURSKI, Adam; SZULGA, Teofil; WACHNIK, Zenon; MADRA, Janina; KOWALCZYK, Halina.

Classification of acid-fast bacilli isolated from the milk of cows and from sewage used for fertilizing pastures. I. Pathogenic and saprophytic bacilli. Arch. immun. ther. exp. 13 no. 2: 189-196 '65

1. Department of Mycology, Institute of Immunology and Experimental Therapy, Polish Academy of Sciences, Wroclaw, Chair of Epizootiology, School of Agriculture, Wroclaw.

POLAND

WACHNIK, Zenon, Department of Epizootics Veterinary College, Agricultural University (Katedra Epizootiologii Wydzialu Wet WSR,) Head (Kierownik) Prof Dr Tadeusz SOBIECH, Wroclaw.

"Health of Cattle Pastured on Meadows Irrigated by Sewage Waters. Part 3. Levels of Sodium, Potassium and Calcium in Heifer Serum."

Lublin, Medycyna Weterynaryjna, Vol 21, No 10, Oct 65; pp 597-600.

Abstract [English summary Modified] : Determinations of above electrolytes in 20 heifers between April and October, correlating serum levels with concentrations in the grass of pasture meadows watered by sewage effluents. The levels of the 3 electrolytes named were in general unusually low. Graph, 3 tables; 7 Polish, 2 Czech and 3 Western references.

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EAST GERMANY/POLAND

SOBIECH, Tadeusz, Professor, Dr., and WACHNIK, Zenon, Docent, Dr., of the Institute for Epizootiology at the University for Agriculture [original-language version not given] in Wroclaw, Poland (Head: SOBIECH, T.).

"Allergic and Serologic Investigations of Cattle from Areas Supplied by Urban Effluent Waters, Using Tuberculin from Atypical Mycobacteria"

Leipzig, Archiv fuer Experimentelle Veterinaermedizin, Vol 20, No 5, Nov 1966, pp 901-908.

Abstract: Cattle inhabiting areas supplied with urban effluent waters have a higher infection incidence from atypical mycobacteria than do cattle from areas not so supplied. The former show higher titers in the hemagglutination reaction in the autumn and the winter than in other seasons. The results of a series of allergic and serological tests were presented and discussed. 10 references, including 4 German, 1 Russian, 3 Polish, and 2 Western. (Manuscript received 25 Nov 1965).

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JASINSKI, Kazimierz, doc. dr. med.; SZERESZEWSKA, Halina; WACHOWIAK, Antoni

Effect of aldosterone on the excretion of sodium, potassium and hydrogen ions in osmotic diuresis. Pol. arch. med. wewnet. 35 no. 3:325-333 '65.

1. Z I Kliniki Chorob Wewnetrznych Akademii Medycznej w Poznaniu  
(Kierownik: doc. dr. med. K. Jasinski).

SZERESZEWSKA, Halina; JASINSKI, Kazimierz; RASZEJA-WANIC, Bozena;  
WACHOWIAK, Antoni; ADAMIAK, Stanislawa

The status of pCO<sub>2</sub> of the urine in different types of diuresis.  
Pol. arch. med. wewnetr. 35 no.4:517-523 '65.

l. Z J Kliniki Chorob Wewnętrznych AM w Poznaniu (Kierownik:  
doc. dr. med. K. Jasinski).

HACHMIAK, Andrzej, inz.

165 years of the Pioneba Mechanical Instruments Factory. Mechanik  
35 no.12:682 D :62.

WACHOWIAK, Andrzej, mgr inz.

New design solutions of planing machines. Mechanik 36 no.6:  
276-278 Je '63.

1. Fabryka Urzadzen Mechanicznych Poreba, Poreba.